

Listing of Claims:

Claim 1. (canceled)

Claim 2. (canceled)

Claim 3. (currently amended) A 3D display apparatus according to claim 2 14, wherein ~~the passive first~~ said array is movable for adjusting said first distance and ~~the second array~~ said display is stationary.

Claim 4. (currently amended) A 3D display apparatus according to claim ~~1~~ 14, further comprising a manual controller for controlling ~~the position of the 3D image~~ said first distance.

Claim 5. (currently amended) A 3D display according to claim ~~1~~ 14, wherein said array comprises points and wherein said apparatus further comprises ~~comprising~~ means for controlling the position of ~~each point~~ said points on ~~of the passive first~~ said array and/or ~~each point of the second array~~.

Claim 6. (currently amended) A 3D display according to claim 5, wherein said means for controlling the position of ~~each~~ said point points controls ~~control the~~ said second distance ~~of the reproduced object to the arrays~~.

Claim 7. (currently amended) A 3D display according to claim 5, wherein said means for controlling the position of ~~each point~~ said points controls the position of the reproduced object in a direction parallel to the surface of the array ~~representing the object~~.

Claim 8. (currently amended) A 3D display apparatus according to claim 1, comprising means for controlling said second distance ~~the position of the 3D image relative to a position of a viewer.~~

Claim 9. (currently amended) A 3D display apparatus according to claim 8, comprising sensor means for detecting the position of the viewer with respect to said display apparatus ~~viewer's eyes.~~

Claim 10. (currently amended) A 3D display apparatus according to claim ~~1-14~~ 14, wherein ~~the second array~~ said display is a flat surface display.

Claim 11. (currently amended) A 3D display apparatus according to claim ~~4~~ 5, wherein said array comprises a plate and wherein each point of said ~~the passive first~~ array is an aperture of a said plate.

Claim 12. (currently amended) A 3D display apparatus according to claim ~~4~~ 14, wherein ~~the second array~~ said display is a liquid crystal display (LCD).

Claim 13. (currently amended) A 3D display apparatus according to claim ~~4~~ 5, wherein each point of ~~the passive first~~ said array is a lens.

Claim 14 (new) An apparatus for displaying an image of an object to a viewer, the apparatus comprising:

- a display for displaying a first image of said object;
- at least one light source arranged with respect to said display so as to at least partially illuminate said displayed first image;

- an array spaced from said display by a first distance;
- said array and said display arranged with respect to said light source such that light from said illuminated, displayed first

image passes, at least partially, through said array so as to provide a second image of said object to a viewer;

said second image appearing at a second distance with respect to said viewer;

means for adjusting said second distance by adjusting said first distance.

Claim 15 (new) The apparatus of claim 14 wherein said array comprises a passive array comprising a plurality of lenses.

Claim 16 (new) The apparatus of claim 14 wherein said display comprises a flat surface display.

Claim 17 (new) The apparatus of claim 16 wherein said flat surface display comprises a Liquid Crystal Display (LCD).

Claim 18 (new) A system for displaying an image of an object to a viewer comprising:

an image capture unit for capturing a first image of said object, the image capture unit comprising a first array and a detecting element, the first array element and the detecting element spaced apart by a first distance;

an image reproducing unit for receiving said first image; said image reproducing unit comprising a second array and a display, the second array and the display spaced apart by a second distance ;

said reproduced object displayed to a viewer so as to appear at a third distance with respect to said viewer ;

said image reproducing unit comprising means for adjusting said second distance such that said third distance is adjusted.